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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)		Attorney Docket Number First Named Inventor		KDO:190230-5		
				Jordi Ribas Corbera		
		COMPLETE IF KNOWN				
		Application Number		/		
Submitted OR Submit with Initial Filling (37 CF		☐ Declaration	Filing Date	Conc	urrently herewith	
	Submitted after Initial	Group Art Unit				
	Filing (surcharge (37 CFR 1.16 (e)) required)	Examiner Name				

As a helow named inventor I h	ambu daslam that					
	As a below named inventor, I hereby declare that:  My residence, mailing address, and citizenship are as stated below next to my name.					
				•		
I believe I am the original, first an names are listed below) of the su	plect matter which is de	aimed and for which a pa	tent is sought on	the invention emitted:		
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Is attached hereto						
was filed on (MM/DD/YYYY)		as United S	tates Application	Number or PCT International		
Application Number				(if applicable).		
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I hereby state that I have reviewe amended by any amendment spa	d and understand the c edifically referred to abo	contents of the above ider ve.	ntified specification	n, including the claims, as		
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I hereby claim foreign priority ber cartificate, or 385(a) of any PCT i America, listed below and have certificate, or any PCT internation.	ielits under 35 U.S.C. 1 international application	119(a)-(d) or 365(b) of ar which designated at lea	ny foreign applica	tion(s) for patent or inventor's		
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Number(s)	Country	(MM/DD/YYYY)	Priority Not Glaimed	Certified Copy Attached? YES NO		
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Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:						
I hereby dalm the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.						
Application Number(s)		(MM/DD/YYYY)				
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[Page 1 of 2]

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## **DECLARATION** — Utility or Design Patent Application

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NAME OF SOLE OR FIRST IN	VENTOR		☐ A petiti	on has been fil	ed for this unsigned inventor
(first and middle (if any))			Family I	Name Ribas C	orbera
Inventor's Signature	W				03/21/2001
Residence: City Redmond	X	State	WA	Country USA	Date Citizenship Spain
Mailing Address 6125 145th Court NE					
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City Redmond	State WA		ZIP 98	052	Country USA
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Given Name (first and middle [if any])			Family Na or Suma	ame	
Inventor's Signature					
Residence: City		State			Date
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Additional inventors are being named	on thesupplen	nental Additio		(s) sheet(e) pro-es	Country B/02A attached hereto.
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## **POWER OF ATTORNEY OR AUTHORIZATION OF AGENT**

Application Number		
Filing Date	Concurrently herewith	
First Named Inventor	Jordi Ribas Corbera	
Group Art Unit		
Examiner Name		
Attorney Docket Number	KDO:190230-5	

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The above-mentioned Customer Number.  OR  Firm or Individual Name  Address  Address  City  Country  Telephone  I am the:  Applicant/Inventor.  X Assignee of record of the entire interest. See 37 CFR 3.71.	as my/our attorney(s) business in the United	or agent(s) to prosecute the application States Patent and Trademark Office	n identified above connected therew	e, and to transact all vith.		
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Individual Name Address Address City State Zip Country Telephone Fax  I am the: Applicant/Inventor.  X Assignee of record of the entire interest. See 37 CFR 3.71.	OR					
Address  City State Zip  Country  Telephone Fax  I am the:  Applicant/Inventor.  X Assignee of record of the entire interest. See 37 CFR 3.71.						
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Assignee of record of the entire interest. See 37 CFR 3.71.	I am the:					
Assignee of record of the entire interest. See 37 CFR 3.71.  Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SR/96)	Applicant/Inventor.					
the state of the s						
SIGNATURE of Applicant or Assignee of Record						
Name Jon K. Clemens, President and CEO of Sharp Laboratories of America, Inc.						
Signature Yh (MM2_						
Date 2 28 6						
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.						
Total offorms are submitted.						

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## STATEMENT UNDER 37 CFR 3.73(b) Applicant/PatentOwner: Jordi Ribas Corbera \_Filed/Issue Date: \_\_\_\_Concurrently herewith Application No./Patent No.: ADAPTIVE OUANTIZATION BASED ON BIT RATE PREDICTION AND PREDICTION Entitled: ERROR ENERGY Sharp Laboratories of America, Inc. a Washington corporation (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.) states that it is: 1. X the assignee of the entire right, title, and interest; or 2. an assignee of an undivided part interest in the patent application/patent identified above by virtue of either: A. [X] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_, or for which a copy thereof is attached. OR B. [ ] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below: The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached. The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached. The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached. [ ] Additional documents in the chain of title are listed on a supplemental sheet. [X] Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8] The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee. March 23, 2001 Date Karen Dana Oster Typed or printed name Attorney of Record Title

been made.

PTC/SB/15 (08-00)

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ACCIONINATION APPLICATION:

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Docket Number (Optional)

## ASSIGNMENT OF APPLICATION KDO:190230-5 Whereas, I. Jordi Ribas Corbera of Redmond, Washington referred to as applicant, have invented certain new and useful improvements in ADAPTIVE QUANTIZATION BASED ON BIT RATE PREDICTION AND PREDICTION ERROR **ENERGY** for which an application for a United States Patent was filed on \_\_\_ Application Number\_\_\_\_/ for which an application for a United States Patent was executed on \_\_\_\_ of Camas, Washington Whereas. Sharp Laboratories of America, Inc. herein referred to "assignee" whose mailing address is 5750 NW Pacific Rim Blvd., Camas WA 98607 is desirous of acquiring the entire right, title and interest in the same; Now, therefore, in consideration of the sum of $\underline{One}$ dollars (\$\frac{1.00}{}\), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not

Executed this 21th day of March 2001

at Redmond, Washington

(Signature)

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